



PCT10

RAW SEQUENCE LISTING

DATE: 07/01/2002

PATENT APPLICATION: US/10/030,937

TIME: 13:47:24

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\07012002\J030937.raw

3 <110> APPLICANT: ROECKLIN, Dominique
 4 KOLBE, Hanno
 5 CHARLES, Marie-Helene
 6 MALCUS, Carine
 7 SANTORO, Lyse
 8 PERRON, Herve

10 <120> TITLE OF INVENTION: USE OF A POLYPEPTIDE FOR DETECTING, PREVENTING OR TREATING A
 PATHOLOGICAL

11 CONDITION ASSOCIATED WITH A DEGENERATIVE, NEUROLOGICAL OR AUTOIMMUNE DISEASE

13 <130> FILE REFERENCE: 111664

15 <140> CURRENT APPLICATION NUMBER: 10/030,937

C--> 16 <141> CURRENT FILING DATE: 2002-07-01

18 <150> PRIOR APPLICATION NUMBER: PCT/FR00/02057

19 <151> PRIOR FILING DATE: 2000-07-17

21 <150> PRIOR APPLICATION NUMBER: FR9909372

22 <151> PRIOR FILING DATE: 1999-07-15

24 <160> NUMBER OF SEQ ID NOS: 75

26 <170> SOFTWARE: PatentIn Ver. 2.1

28 <210> SEQ ID NO: 1

29 <211> LENGTH: 4393

30 <212> TYPE: PRT

31 <213> ORGANISM: Homo sapiens

33 <400> SEQUENCE: 1

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 35 1 5 10 15
 37 Gly Arg Leu Leu Ala Val Thr His Gly Leu Arg Ala Tyr Asp Gly Leu
 38 20 25 30
 40 Ser Leu Pro Glu Asp Ile Glu Thr Val Thr Ala Ser Gln Met Arg Trp
 41 35 40 45
 43 Thr His Ser Tyr Leu Ser Asp Asp Glu Asp Met Leu Ala Asp Ser Ile
 44 50 55 60
 46 Ser Gly Asp Asp Leu Gly Ser Gly Asp Leu Gly Ser Gly Asp Phe Gln
 47 65 70 75 80
 49 Met Val Tyr Phe Arg Ala Leu Val Asn Phe Thr Arg Ser Ile Glu Tyr
 50 85 90 95
 52 Ser Pro Gln Leu Glu Asp Ala Gly Ser Arg Glu Phe Arg Glu Val Ser
 53 100 105 110
 55 Glu Ala Val Val Asp Thr Leu Glu Ser Glu Tyr Leu Lys Ile Pro Gly
 56 115 120 125
 58 Asp Gln Val Val Ser Val Val Phe Ile Lys Glu Leu Asp Gly Trp Val
 59 130 135 140
 61 Phe Val Glu Leu Asp Val Gly Ser Glu Gly Asn Ala Asp Gly Ala Gln
 62 145 150 155 160
 64 Ile Gln Glu Met Leu Leu Arg Val Ile Ser Ser Gly Ser Val Ala Ser

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65          165          170          175
67 Tyr Val Thr Ser Pro Gln Gly Phe Gln Phe Arg Arg Leu Gly Thr Val
68          180          185          190
70 Pro Gln Phe Pro Arg Ala Cys Thr Glu Ala Glu Phe Ala Cys His Ser
71          195          200          205
73 Tyr Asn Glu Cys Val Ala Leu Glu Tyr Arg Cys Asp Arg Arg Pro Asp
74          210          215          220
76 Cys Arg Asp Met Ser Asp Glu Leu Asn Cys Glu Glu Pro Val Leu Gly
77 225          230          235          240
79 Ile Ser Pro Thr Phe Ser Leu Leu Val Glu Thr Thr Ser Leu Pro Pro
80          245          250          255
82 Arg Pro Glu Thr Thr Ile Met Arg Gln Pro Pro Val Thr His Ala Pro
83          260          265          270
85 Gln Pro Leu Leu Pro Gly Ser Val Arg Pro Leu Pro Cys Gly Pro Gln
86          275          280          285
88 Glu Ala Ala Cys Arg Asn Gly His Cys Ile Pro Arg Asp Tyr Leu Cys
89          290          295          300
91 Asp Gly Gln Glu Asp Cys Glu Asp Gly Ser Asp Glu Leu Asp Cys Gly
92 305          310          315          320
94 Pro Pro Pro Pro Cys Glu Pro Asn Glu Phe Pro Cys Gly Asn Gly His
95          325          330          335
97 Cys Ala Leu Lys Leu Trp Arg Cys Asp Gly Asp Phe Asp Cys Glu Asp
98          340          345          350
100 Arg Thr Asp Glu Ala Asn Cys Pro Thr Lys Arg Pro Glu Glu Val Cys
101          355          360          365
103 Gly Pro Thr Gln Phe Arg Cys Val Ser Thr Asn Met Cys Ile Pro Ala
104          370          375          380
106 Ser Phe His Cys Asp Glu Ser Asp Cys Pro Asp Arg Ser Asp Glu
107 385          390          395          400
109 Phe Gly Cys Met Pro Pro Gln Val Val Thr Pro Pro Arg Glu Ser Ile
110          405          410          415
112 Gln Ala Ser Arg Gly Gln Thr Val Thr Phe Thr Cys Val Ala Ile Gly
113          420          425          430
115 Val Pro Ala Pro Phe Leu Ile Asn Trp Arg Leu Asn Trp Gly His Ile
116          435          440          445
118 Pro Ser Gln Pro Arg Val Thr Val Thr Ser Glu Gly Gly Arg Gly Thr
119          450          455          460
121 Leu Ile Ile Arg Asp Val Lys Glu Ser Asp Gln Gly Ala Tyr Thr Cys
122 465          470          475          480
124 Glu Ala Met Asn Ala Arg Gly Met Val Phe Gly Ile Pro Asp Gly Val
125          485          490          495
127 Leu Glu Leu Val Pro Gln Arg Ala Gly Pro Cys Pro Asp Gly His Phe
128          500          505          510
130 Tyr Leu Glu His Ser Ala Ala Cys Leu Pro Cys Phe Cys Phe Gly Ile
131          515          520          525
133 Thr Ser Val Cys Gln Ser Thr Arg Arg Phe Arg Asp Gln Ile Arg Leu
134          530          535          540
136 Arg Phe Asp Gln Pro Asp Asp Phe Lys Gly Val Asn Val Thr Met Pro
137 545          550          555          560

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139 Ala Gln Pro Gly Thr Pro Pro Leu Ser Ser Thr Gln Leu Gln Ile Asp
140          565          570          575
142 Pro Ser Leu His Glu Phe Gln Leu Val Asp Leu Ser Arg Arg Phe Leu
143          580          585          590
145 Val His Asp Ser Phe Trp Ala Leu Pro Glu Gln Phe Leu Gly Asn Lys
146          595          600          605
148 Val Asp Ser Tyr Gly Gly Ser Leu Arg Tyr Asn Val Arg Tyr Glu Leu
149          610          615          620
151 Ala Arg Gly Met Leu Glu Pro Val Gln Arg Pro Asp Val Val Leu Val
152 625          630          635          640
154 Gly Ala Gly Tyr Arg Leu Leu Ser Arg Gly His Thr Pro Thr Gln Pro
155          645          650          655
157 Gly Ala Leu Asn Gln Arg Gln Val Gln Phe Ser Glu Glu His Trp Val
158          660          665          670
160 His Glu Ser Gly Arg Pro Val Gln Arg Ala Glu Leu Leu Gln Val Leu
161          675          680          685
163 Gln Ser Leu Glu Ala Val Leu Ile Gln Thr Val Tyr Asn Thr Lys Met
164          690          695          700
166 Ala Ser Val Gly Leu Ser Asp Ile Ala Met Asp Thr Thr Val Thr His
167 705          710          715          720
169 Ala Thr Ser His Gly Arg Ala His Ser Val Glu Glu Cys Arg Cys Pro
170          725          730          735
172 Ile Gly Tyr Ser Gly Leu Ser Cys Glu Ser Cys Asp Ala His Phe Thr
173          740          745          750
175 Arg Val Pro Gly Gly Pro Tyr Leu Gly Thr Cys Ser Gly Cys Ser Cys
176          755          760          765
178 Asn Gly His Ala Ser Ser Cys Asp Pro Val Tyr Gly His Cys Leu Asn
179          770          775          780
181 Cys Gln His Asn Thr Glu Gly Pro Gln Cys Lys Lys Cys Lys Ala Gly
182 785          790          795          800
184 Phe Phe Gly Asp Ala Met Lys Ala Thr Ala Thr Ser Cys Arg Pro Cys
185          805          810          815
187 Pro Cys Pro Tyr Ile Asp Ala Ser Arg Arg Phe Ser Asp Thr Cys Phe
188          820          825          830
190 Leu Asp Thr Asp Gly Gln Ala Thr Cys Asp Ala Cys Ala Pro Gly Tyr
191          835          840          845
193 Thr Gly Arg Arg Cys Glu Ser Cys Ala Pro Gly Tyr Glu Gly Asn Pro
194          850          855          860
196 Ile Gln Pro Gly Gly Lys Cys Arg Pro Val Asn Gln Glu Ile Val Arg
197 865          870          875          880
199 Cys Asp Glu Arg Gly Ser Met Gly Thr Ser Gly Glu Ala Cys Arg Cys
200          885          890          895
202 Lys Asn Asn Val Val Gly Arg Leu Cys Asn Glu Cys Ala Asp Arg Ser
203          900          905          910
205 Phe His Leu Ser Thr Arg Asn Pro Asp Gly Cys Leu Lys Cys Phe Cys
206          915          920          925
208 Met Gly Val Ser Arg His Cys Thr Ser Ser Ser Trp Ser Arg Ala Gln
209          930          935          940
211 Leu His Gly Ala Ser Glu Glu Pro Gly His Phe Ser Leu Thr Asn Ala

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212 945          950          955          960
214 Ala Ser Thr His Thr Thr Asn Glu Gly Ile Phe Ser Pro Thr Pro Gly
215          965          970          975
217 Glu Leu Gly Phe Ser Ser Phe His Arg Leu Leu Ser Gly Pro Tyr Phe
218          980          985          990
220 Trp Ser Leu Pro Ser Arg Phe Leu Gly Asp Lys Val Thr Ser Tyr Gly
221          995          1000          1005
223 Gly Glu Leu Arg Phe Thr Val Thr Gln Arg Ser Gln Pro Gly Ser Thr
224          1010          1015          1020
226 Pro Leu His Gly Gln Pro Leu Val Val Leu Gln Gly Asn Asn Ile Ile
227 1025          1030          1035          1040
229 Leu Glu His His Val Ala Gln Glu Pro Ser Pro Gly Gln Pro Ser Thr
230          1045          1050          1055
232 Phe Ile Val Pro Phe Arg Glu Gln Ala Trp Gln Arg Pro Asp Gly Gln
233          1060          1065          1070
235 Pro Ala Thr Arg Glu His Leu Leu Met Ala Leu Ala Gly Ile Asp Thr
236          1075          1080          1085
238 Leu Leu Ile Arg Ala Ser Tyr Ala Gln Gln Pro Ala Glu Ser Arg Val
239          1090          1095          1100
241 Ser Gly Ile Ser Met Asp Val Ala Val Pro Glu Glu Thr Gly Gln Asp
242 1105          1110          1115          1120
244 Pro Ala Leu Glu Val Glu Gln Cys Ser Cys Pro Pro Gly Tyr Arg Gly
245          1125          1130          1135
247 Pro Ser Cys Gln Asp Cys Asp Thr Gly Tyr Thr Arg Thr Pro Ser Gly
248          1140          1145          1150
250 Leu Tyr Leu Gly Thr Cys Glu Arg Cys Ser Cys His Gly His Ser Glu
251          1155          1160          1165
253 Ala Cys Glu Pro Glu Thr Gly Ala Cys Gln Gly Cys Gln His His Thr
254          1170          1175          1180
256 Glu Gly Pro Arg Cys Glu Gln Cys Gln Pro Gly Tyr Tyr Gly Asp Ala
257 1185          1190          1195          1200
259 Gln Arg Gly Thr Pro Gln Asp Cys Gln Leu Cys Pro Cys Tyr Gly Asp
260          1205          1210          1215
262 Pro Ala Ala Gly Gln Ala Ala His Thr Cys Phe Leu Asp Thr Asp Gly
263          1220          1225          1230
265 His Pro Thr Cys Asp Ala Cys Ser Pro Gly His Ser Gly Arg His Cys
266          1235          1240          1245
268 Glu Arg Cys Ala Pro Gly Tyr Tyr Gly Asn Pro Ser Gln Gly Gln Pro
269          1250          1255          1260
271 Cys Gln Arg Asp Ser Gln Val Pro Gly Pro Ile Gly Cys Asn Cys Asp
272 1265          1270          1275          1280
274 Pro Gln Gly Ser Val Ser Ser Gln Cys Asp Ala Ala Gly Gln Cys Gln
275          1285          1290          1295
277 Cys Lys Ala Gln Val Glu Gly Leu Thr Cys Ser His Cys Arg Pro His
278          1300          1305          1310
280 His Phe His Leu Ser Ala Ser Asn Pro Asp Gly Cys Leu Pro Cys Phe
281          1315          1320          1325
283 Cys Met Gly Ile Thr Gln Gln Cys Ala Ser Ser Ala Tyr Thr Arg His
284          1330          1335          1340

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Input Set : A:\pto.vsk.txt

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286 Leu Ile Ser Thr His Phe Ala Pro Gly Asp Phe Gln Gly Phe Ala Leu
287 1345          1350          1355          1360
289 Val Asn Pro Gln Arg Asn Ser Arg Leu Thr Gly Glu Phe Thr Val Glu
290          1365          1370          1375
292 Pro Val Pro Glu Gly Ala Gln Leu Ser Phe Gly Asn Phe Ala Gln Leu
293          1380          1385          1390
295 Gly His Glu Ser Phe Tyr Trp Gln Leu Pro Glu Thr Tyr Gln Gly Asp
296          1395          1400          1405
298 Lys Val Ala Ala Tyr Gly Gly Lys Leu Arg Tyr Thr Leu Ser Tyr Thr
299          1410          1415          1420
301 Ala Gly Pro Gln Gly Ser Pro Leu Ser Asp Pro Asp Val Gln Ile Thr
302 1425          1430          1435          1440
304 Gly Asn Asn Ile Met Leu Val Ala Ser Gln Pro Ala Leu Gln Gly Pro
305          1445          1450          1455
307 Glu Arg Arg Ser Tyr Glu Ile Met Phe Arg Glu Glu Phe Trp Arg Arg
308          1460          1465          1470
310 Pro Asp Gly Gln Pro Ala Thr Arg Glu His Leu Leu Met Ala Leu Ala
311          1475          1480          1485
313 Asp Leu Asp Glu Leu Leu Ile Arg Ala Thr Phe Ser Ser Val Pro Leu
314          1490          1495          1500
316 Val Ala Ser Ile Ser Ala Val Ser Leu Glu Val Ala Gln Pro Gly Pro
317 1505          1510          1515          1520
319 Ser Asn Arg Pro Arg Ala Leu Glu Val Glu Glu Cys Arg Cys Pro Pro
320          1525          1530          1535
322 Gly Tyr Ile Gly Leu Ser Cys Gln Asp Cys Ala Pro Gly Tyr Thr Arg
323          1540          1545          1550
325 Thr Gly Ser Gly Leu Tyr Leu Gly His Cys Glu Leu Cys Glu Cys Asn
326          1555          1560          1565
328 Gly His Ser Asp Leu Cys His Pro Glu Thr Gly Ala Cys Ser Gln Cys
329          1570          1575          1580
331 Gln His Asn Ala Ala Gly Glu Phe Cys Glu Leu Cys Ala Pro Gly Tyr
332 1585          1590          1595          1600
334 Tyr Gly Asp Ala Thr Ala Gly Thr Pro Glu Asp Cys Gln Pro Cys Ala
335          1605          1610          1615
337 Cys Pro Leu Thr Asn Pro Glu Asn Met Phe Ser Arg Thr Cys Glu Ser
338          1620          1625          1630
340 Leu Gly Ala Gly Gly Tyr Arg Cys Thr Ala Cys Glu Pro Gly Tyr Thr
341          1635          1640          1645
343 Gly Gln Tyr Cys Glu Gln Cys Gly Pro Gly Tyr Val Gly Asn Pro Ser
344          1650          1655          1660
346 Val Gln Gly Gly Gln Cys Leu Pro Glu Thr Asn Gln Ala Pro Leu Val
347 1665          1670          1675          1680
349 Val Glu Val His Pro Ala Arg Ser Ile Val Pro Gln Gly Gly Ser His
350          1685          1690          1695
352 Ser Leu Arg Cys Gln Val Ser Gly Arg Gly Pro His Tyr Phe Tyr Trp
353          1700          1705          1710
355 Ser Arg Glu Asp Gly Arg Pro Val Pro Ser Gly Thr Gln Gln Arg His
356          1715          1720          1725
358 Gln Gly Ser Glu Leu His Phe Pro Ser Val Gln Pro Ser Asp Ala Gly

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/030,937DATE: 07/01/2002
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Input Set : A:\pto.vsk.txt

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:31; N Pos. 93,96,99,105,126,135,138,141,147,150,153,156,159,165,171
Seq#:31; N Pos. 177,180,183,186,192,195,198,201,204,207,210,213,216,219,222
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